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NEW DELHI, SATURDAY, OCTOBER 19, 1985 (ASVINA 27, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती हे जिससे कि यह अलग संकलन के रूप में रखा जा सके। [Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग ॥।—खण्ड 2

# PART HI-SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसुचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutia, the 19th October 1985

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(733)

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## **CORRIGENDUM**

(1)

In the Gazette of India, Part III, Section-2, dated 10th August, 1985, under the heading "Complete Specification accepted".

In page 620, column 1 against the number 156472.

for Applicant: BRITISH AMERICAN TOBACCO COMPANY LIMITED, OF WEST-MINISTER HOUSE, 7, MILLBANK, LONDON, SWIP 3JE, ENGLAND.

read Applicants: BROWN & WILLIAMSON TOBA-CCO CORPORATION, A DELWARE CORPORATION OF 1600 WEST HILL STREET, LOUISVILLE, KENTU-CKY 40232, UNITED STATES OF AMERICA

(2)

In the Gazette of India, Part III, Section 2 dated the 7-9-1985 under heading "PATENTS SEALED" include 149652 instead of 143652 on the top.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

the dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

## 13th September, 1985

- 647/Cal/85. Westinghouse Flectric Corporation. Improvements in or relating to molded case circuit breaker with an improved internal venting system.
- 648/Cal/85. Westinghouse Electric Corporation. Improvements in or relating to molded case circuit breaker with an improved arc gas external venting system.
- 649/Cal/85. Westinghouse Electric Corporation. Improvements in or relating to molded case circuit breaker with a trip mechanism having an intermediate latch lever.
- 650/Cal/85. Westinghouse Electric Corporation. Impingement cooled gas turbine combustor with internal film cooling.
- 651/Cal/85. Cecil Osbrne Vallally. Retrieval Device. (15th September, 1984) United Kingdom.

## 16th September. 1985

- 652/Cal/85. USV Pharmaceutical Corporation. Antihypertensive Derivatives.
- 653/Cal/85. Westinghouse Electric Corporation. Improvements olded case circuit breaker with means for a bimetal.
- 654/Cal/85. Johnson & Johnson Products, Inc. N-Vinyl caprolactam containing hot melt adhesives.
- 655/Cal/85. Thyssen Stahl AG. Process for refining hot metal.
- 656/Cal/85. Gegedur Societe De Transformation De L' Aluminium Pechiney. Process for regulating the level of the line of contact of the free surface of the metal with the mould in vertical casting.
- 657/Cal/85. Hoesch Aktiengesellschaft. Track spike with a single or double shaft.

- 658/Cal/85. Moskovsky Nauchno-Issledovatelsky Institut Mikro-khirurgii Glaza. Anterior-chamber intraocular prosthetic lens.
- 659/Cal/85. Phillips Petroleum Company. Method for producing a composite trace from seismic data.
- 660/Cal/85. Voest-Alpine Aktiengesellschaft. An apparatus for removing bulk material from a dump.

## 17th September, 1985

- 661/Cal/85 SCM Corporation. Polyvinylidene Fluoride Coatings.
- APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH. MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NFW DFLHI-110005

## 19th August 1985

- 670/Del/85. General Refractories Company. A method for making a composition in the form of refractory brick or shape.
- 671/Del/85 Samonsite Corporation. Stering Handel for luggage case.
- 672/Del/85. Kapur Singh Ghuman and Kaka Singh Ghuman. Wind Energy Converter.
- 673/Cal/85 Shri Ram Institute for Industrial Research, A process for the preparation of a paint having fire resistant properties
- 674 / Del /85. Shri Ram Institute for Industrial Research. A process for the preparation of a paint having fire resistant properties.
- 675/Del/85. Shri Ram Institute for Industrial Research. A process for the preparation of Atactic polypropylene styrene methyl-methacrylate craft copolymers. [Divisional dated 7th October, 1982].
- 676/Del/85 Sherritt Gordon Mines Limited. Process for recovering zinc from zinc containing material. (22nd January 1981) Canada. [Divisional dated 17th May. 1982].

## 20th August, 1985

- 677/Del/85. Shri Ram Institute for Industrial Research. A process for the preparation of cetyl chloroformate.
- 678/Del/85. Shri Ram Institute for Industrial Research. A process for the preparation of dicetyl peroxy dicarbomate.
- 679/Del/85 Bhushan Lal Mittal. A crystallzer.
- 680|Del|85. Shri Ram Institute for Industrial Research. A process
- 681 /Del /85. Shri Ram Institute for Industrial Research. Polymerization process for vinyl compounds.
- 682/Del/85. Shri Ram Institute for Industrial Research. Process for the preparation of copolymers of vinyl chloride and vinyl acetate.
- 683/Del/85. The Halcon SD Group, Inc. Optimizing the yield of maleic anhydride catalyst.
- 684/Del/85. Francois Langreney, Method and device for continuous process crystallization, of saccharose in particular
- 685|Del|85. Imperial Chemical Industries PLC Method and apparatus for safer remotely controlled firing of ignition elements. (4th September, 1984) United Kingdom.
- 686/Del/85. The Firestone Tire & Rubber Company. Synergistic additive combinations for guayule rubber stabilization.

### 21st August, 1985

- 687/Del/85. (1) Sudhir Kohli, (ii) Prof. S. P. Sabberwal. Improvements in solar cooker.
- 688/Del/85. Aidal Prasad Gupta. Improvements in or relating to viscosity comparators for determining viscosity of oils of the like liquids at site.
- 689/Del/85. The B. F. Goodrich Company. Internally coated reaction vessel for use in olefinic polymerization.
- 690/Del/85. The B. F. Goodrich Company. Drum Lifting Device.
- 691/Del/85. Johnson Matthey Public Limited Company.
  Calibration warning device. (23rd August, 1984)
  United Kingdom.
- 692/Del/85. Samsonite Corporation. Luggage case and wheel roller or caster ussembly therefor.
- 693 /Del/85. Frank Parsons Improvements relating to supporting equipment.
- 694/Del/85. Brian Craig Stobbart. Retaining Assemblies. (22nd August, 1984 and 24th October, 1984) Australia,
- 695/Del/85. Alsthom-Atlantique. Method for reclaiming an area of land. [Divisional dated 13th January, 1982].

#### 22nd August, 1985

- 696/Del/85. Allegheny Ludlum Steel Corporation. Method and apparatus for direct casting of crystalline strip by radiantly cooling.
- 697/Del/85. Allegheny Ludlum Steel Corporation. Method and apparatus for continuous casting of crystalline strip.
- 698|Del|85 Lazate Kaplan & Sons, Inc. Method for providing at least one identifying indicium to a surface of a diamond or other precious stone. [Divisional dated 18th May, 1982].
- 699/Del/85. Norsk Hydro a.s. NPK Complex Fertilizer.

## 23rd August, 1985

- 700/Del/85. The M. W. Kellogg Company Ammonia synthesis process.
- 701/Del|85. The M. W. Kellogg Company. Ammonia synthesis converter.
- 702/Del/85. The M.W. Kellogg Company. Synthesis Converter.

## 26th August, 1985

703/Del/85. Colgate Palmolive Company, "Stable antiplaque dentifrice".

## 28th August, 1985

- 704/Del/85. UOP Inc., "Mixed phase hydrocarbon conversion process emplying total overhead condenser".
- 705/Del/85. Vacuum Interrupters Limited, "Manufacture of vacuum interrupter contacts". (Convention date 15th October, 1984 (U.K.).
- 706/Del/85. Vapor Corporation, "Improved fuel induction system for an auto igniting internal combustion engine". (Convention dated 25th June, 1985) (Canada).

## 29th August. 1985

- 707/Del/85. Engineers India Ltd.. "An improved process for the vapour phase catalytic oxidation of hydrocarbons".
- 708 / Del / 85. Energy Conversion Devices, Inc., "Improved current collection structure for photovoltaic devices".

- 709/Del/85. Sericol Group Limited, "Screen printing compositions".
- 710/Del/85. Leon A.McCoy, "Device for transporting loads between various elevations".

#### 30th August, 1985

- 711/Del/85. The Babcock & Wilcox Co., "A furnace lining". [Divisional date 13th September, 1982].
- 712/Del/85. Technicon Instruments Corporation, "An improved reaction cuvette". [Divisional date 28th May, 1982].
- 713/Dei/85. The Standard Oil Company, "Photovoltaic cell module'.
- 714/Del/85. The Standard Oil Company, "Bypass diode assembly for photovoltaic modules".
- 715/Del/85. Sanden Corporation, "Shaft seal for a compressor".
- 716/Del/85. Council of Scientific and Industrial Research, "High luminous output hurricane lanterns".
- 717, Del/85. Council of Scientific and Industrial Research, "An improved starting device for room air conditioner units".
- 718/Del/85. Council of Scientific and Industrial Research, "A process for the production of heat sensitive recording paper".
- 719/Del/85. Council of Scientific and Industrial Research, "An improved process for the extraction of vanadium pentoxide from vanadium bearing titaniferrous magnetites or any other vanadium material".
- 720/Del/85. Council of Scientific and Industrial Research, "An improved process for the production of carbonless copy paper".
- 721/Del/85. Council of Scientific and Industrial Research, "Method of making bromide and iodide ion sensitive electrodes".
- APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

## 21st August, 1985

218/Bom/85. Dr. K. S. Shivkar. Shivkar's Balloon Apparatus.

### 22nd August 1985

- 219 Bom 85. Metals & Allied Products. An instantly detachable locking handle for utensils and an utensil containing the same.
- 220 Bom 85. Hindustan Lever Ltd. Separation of Futty Acids.

## 23rd August, 1985

- 221/Bom/85. Smt. Manju Agrawal & Mohan Das Agrawal. Improved Envelope type answer copies.
- 222/Bomi/85. Smt. Manju Agrawal & Mohan Das Agrawal. Improvements in or relating to Cigarette or Cigar or Bidi.

### 28th August, 1985

- 223/Bom/85. Vinay Kumar Shridhar & Others. Attachments for manhole frames.
- 224/Bom/85. Hindustan Lever Ltd. Detergent Somp Bar Processing.
- 225/Bom/85. Robert Almeida. Apparatus and method for improving oil storage tanks.

## ALTERATION OF DATE

156702 (75/Cal/82) Ante dated to 11th April, 1979

### COMITITE SPECIFICATION ACCEPTED

Noace is hereby given that any person interested in opposing the giant of patents on any of the applications concerned may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankai Roy Road Calcutta, in due course. The piece of each specification is Rs 2/(postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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CLASS 39 N'

156691

Int Cl B 01 d 15/08

A PROCESS FOR THE SEPARATION OF ELEMENTS BY CHROMATOGRAPHY

Applicant ASAI KASEI KOGYO KABUSHIKI KAISHA OF 2-6 DOJIMAHAMA 1 CHOME KITA-KU, OSAKA SHI OSAKA JAPAN

Inventors 1 MICHIO KATO 2 TOSHIYUKI ENDO, 3 JUNII NOMURA

Application No 1448 Cil/81 filed December 23, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

## 23 Claims

A process for the separation of elements by chromatography which complises supplying an original aqueous solution of a minute of elements capable of being present in an aqueous solution in the form of citions to a column packed with an adsorbent of a cations to a column packed with an adsorbent of a cation exchanger to form an adsorption band of elements on the adsorption band and feeding an eluent to the column to develop the adsorption band while forming a rear zone in real of the adsorption band characterized by feeding a main cluent ha ring a ligand concentration of 10 to 1,000 mmol liter without causing the entry of said main cluent to the front zone and thereby developing the adsorption band of elements formed on the adsorbant packed in a column

Compt speen 51 pages

Drg Nil

(LASS 151-B

156692

Int (1 F 23 j 3/00

A LONG TRAVEL SOOT BLOWER OR THE LIKE

Applicant THE BABCOCK & WILCOX COMPANY, 10:0 COMMON STRIFT NEW ORELEANS LOUISIANA 70112 UNITED STATES OF AMERICA

Inventors DIAN CURTIS ACKERMAN 2 DON WILLIAM SMITH

Application No 264/Cal/82 filed February 22, 1982

Appropriate office for opposition pacceedings (Rule 4 Pitents Rules 1972) Patent Office Calcutta

### 5 Claims

A long travel soot blower or the like having a supporting beam is critiage adapted to travel along the beam and including housing forming an enclosure for the carriage, a linde secured to the carriage to travel therewith but iotatable about its iongituding rack means carried by the beam, a axis longitudinal rack, means carried by the beam, a motor operatively intercorrected with the carriage walking pinion meats carried by the carringe and rotatable to drive the totating the walking pinion means and for oscillating the lance ibout its longitudinal axis including a pair of interfitted independently rotat ble shafts journaled in but projecting it their outer ends outside said housing of the carriage, the radially outer of said shafts being diviable by the motor and having year means thereon within the carriage housing for driving said valling pinion means to actuate the carriage alon th Learn a yoke driving gear on the projecting outer end of said radially outer snift the outer end of the radially inner his extending beyond the outer end of the radially once shift in now end of sum indially inner snatt naving a retailty d ving connection to the lance within the arriage housing a yoke driven zear on the outer end of the adially miner so it in necessory housing secured to the outside of the carriage bousing and enclosing said two lastmentio of goes a S ofth voke in said accessory h for oscillating the yoke driver round the radially shaft to a cillate the lar e about its long tudinal axis during long tudinal ravel hereof and man for actuating the yoke omprising a creak characterized by a lost motion driving connection between the yeke driving gen and the crank, whereby the yoke driven gour is continuously oscillated while the yoke driving gent is totating in one direction but oscillation of the criver gear is interrupted when the direction of notation of the yoke diving gear is reversed and recommences it a different longitudinal position of the lance after the lost motion is taken up during reversed rotation of the oke driving gear

Compl specn 12 pages

Drg 4 sheets

(LASS 172 D

156693

Int Cl D 01 h 7/86

PNI UMATICATIA THREADABLE YARN BRAKE AND A TWO FOR ONE TWISTING SPINDLE EQUIPPED THEREWITH

Applicant PALITEX PROJECT COMPANY GMBH OF POSTFACII 2228 VII SLRWEG 8 4150 KREFELD 1, PERMANY

Inventor  $^{1}$  DR RER NAT DIP! PHYSIKER RAINFR LORENZ

Application No 19, Cal/82 filed January 20 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Cucutta

#### 10 Claims

A pneumatically threadable yarn brake having a substantially tubulat brake housing in which a brake cartridge abuts against a lower and an upper brake surface ring, the lower of which brake surface rings is axially displaceable downwardly against a restoring force for the purpose of releasing the yarn brake, the brake cartridge having an associated holding device which retains the brake cartridge in an internoiding device which fetains the brake carridge in an inter-mediate position with spacing between the upper and lower brake surface rings when the lower brake surface ring is displaced downwardly, the lower brake surface ring being secured to an annular diaphragm whose outer periphery is fixedly clampable and which defining the top of a chamber connectible to a source of vacuum for the purpose of displacing the diaphragm against the restoring force.

Compl. specn. 14 pages.

Drg. 1 sheet.

CLASS: 33-D

156694

Int. Cl.: B 22 d 11/10, 37/00.

IMPROVEMENTS IN THE POURING OF MOLTEN METALS.

Applicant: USS ENGINEERS & CONSULTANTS INC., OF 600 GRANT STREET, PITTSBURG, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: 1. ANTHONY THROWER, 2. JOHN RICHARD GEI STHORPE.

Application No. 228/Cal/82 filed February 27, 1982.

Convention dated 3rd March, 1981 (8106587) U.K. and 5th February, 1982 (8203365) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

Apparatus for use in the submerged pouring of molten metals, comprising a nozzle, an elongated submerged pouring tube downstream of the nozzle and an orificed refractory block forming a union therebetween, the union block having an annular manifold space therein and a gas supply pipe communicating therewith, the union block further having a gas discharge orifice or orifices at its downstream end for discharging gas fed into the manifold space, the union block forming a gas-tight joint with the upstream end of the pouring tube, and its orifice or orifices being arranged in use to eject gas in a downstream direction substantially along the inner wall of the pouring tube.

Compl. specn. 15 pages.

Drg. 2 sheets.

CLASS: 152-A

156695

Int. Cl.: E 04 b 1/94.

IMPROVED BUILDING ELEMENTS FOR WALL AND ROOF CONSTRUCTION PURPOSES.

Applicant : ISORA OY, OF SF-38200 VAMMALA, FINLAND.

Inventors: 1. SEPPO RINNE, 2. OLLI SAARINEN, 3. LAURI MEHTO, 4. FAAVO TIHVERAINEN.

Application No. 285/Cal/82 filed March 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

An improved building element, especially so called sand-wich element, for wall and roof construction purposes comwhich cleaned, for wall and roof construction purposes comprising an insulating plate (1) made of cellular polystryrene or the like material, a surface sheet (2, 3) especially a steel sheet fixed at least to the other side surface of the said insulating plate (1) the surface sheet (2, 3) functioning as the weight carrying part of the element, the improvement wherein comprising an additional sheet (4) has been arranged tightly at least between the other surface sheet (2, 3) and the insulating plate (1), the said additional sheet being airanged to co-operate with the other known parts (1, 2, 3) of the element in order to accomplish fireproof properties for the element, when the said element is exposed to external heat (arrow 5).

Compl. speen. 8 pages.

Drg. 1 sheet.

**CLASS**: 186-D

156696

Int. Cl.: H 01 I 15/00.

INTEGRATED DEVICE FOR DETECTING, GENERATING AND AMPLIFYING LIGHT.

Applicant: PI ESSEY OVERSEAS LIMITED VICARAGE LANE, ILFORD, ESSEX, ENGLAND.

Inventors: 1. ROBERT CHARLES GOODFELLOW, 2.

ANDREW CANNON CARTER.

Application No. 675/Cal/82 filed June 11, 1982.

Convention dated 13th June, 1981 (18258/81) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 9 Claims

Integrated device for detecting, generating and amplifying light comprising a field effect transistor comprising a semi-insulating substrate on which are formed source and drain layers separated by a groove, a first layer and a second layer on top of the first layer formed in said groove forming a gate bridging the source and drain layers and light detecting or generating means formed of the same layers as the gate to form a monolithic structure.

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS: 127-A

156697

Int. Cl.: F 16 d 13/00.

A METHOD OF MAKING A FRICTION CLUTCH.

Applicant: DANA CORPORATION, AT 4500 DORR STREET, P.O. EOX 1000, TOLEDO, OHIO 43697, U.S.A.

inventors: 1. RICHARD ALLEN FLOTOW, 2. JERRY LEE RATHBURN, 3. DEWAYNE FRANCIS SCHLOS-

Application No. 727, Cal/82 filed June 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

In a method of making a friction clutch, including a cover, In a method of making a friction clutch, including a cover, a plurality of levers moveable relative to said/cover, each of said levers having an inner nose portion engageable with a clutch throw-out bearing, said clutch further including a pressure plate axially adjacent said cover, and pressure means for axially biasing said pressure plate away from said coveran improvement comprises of a method of adjusting said inner nose portion of said lever to a predetermined common plane during assembly of said clutch, by a grinding wheel having an annular corcave groove, said method including steps of:

- (a) affixing an axially extending boss to each of said inner nose portions of said plurality of levers,
- (b) effecting relative axial movement of said pressure plate towards said clutch cover against bias of said pressure means, wherein the axially extending extremity of each of said bosses lies within a predetermined axial range, and
- (c) simultaneously grinding said bosses to provide an axially extel ding contoured extremity on each of said bosses, such that said extremity lies in a predetermined radially extending common plane within said range.

Compl. specn. 11 pages.

Drg. 1 sheet.

PART III-SEC. 2

156700

CLASS: 1-D

156698

Int. Cl.: D 06 ni, 11/00.

A MODIFIED METHOD OF SIZING WARP YARNS WITH A VIEW TO REDUCING CONSUMPTION OF ENERGY.

Applicant: INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION, 17, TARATOLA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

Inventors: 1. BIPLAB KUMAR SARKAR, 2. SAMAR SLNGUPIA. 3. ADITYA SEKHAR DUTT.

Application No. 755/Cal/82 filed June 26, 1982.

Complete specification left on 22nd June, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rulm, 1972) Patent Office, Calcutta.

#### 7 Claims

A method of sizing warp yarus of the type of sacking warp, D.W. Tarpaulin warp Hessian warp and the like comprising treating the yarn with guar gum solution of a concentration between 0.1% to 1.0%.

Provisional specn., 18 pages.

Drg. Nil.

Compl. specn. 10 pages.

Drg. Nil.

CLASS: 107-G & 175-H

156699

Int. Cl.: Γ 02 b 55/02.

LIGHT MITAL FISTONS FOR INTERNAL COMBUSTION ENGINES OR COMPRESSORS.

Applicant: AF PLC. OF CAWSTON HOUSE, CAWSTON, RUGBY, WARWICKSHIRE, ENGLAND.

Inventors: 1. ANTHONY DAVID LONG, 2. FREDERICK HERBIRT THOMPSON.

Application No. 1163/Cal/82 filed October 8, 1982.

Convention dated 8th October 1981 (81/30430) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

A piston of light metal for an internal combustion engine or a compressor and of the kind comprising a crown, a gudgeon pin bore, a slirt including portions forming opposed thrust face on opposite sides of a plane including the piston axis and the gudgeon pin bore axis, an upper end of at least one skirt portion being spaced from an adjacent crown portion by an axially and circumferentially extending gap, and an insert of a material of lower coefficient of thermal expansion than the material of the crown and skirt, the insert including a curved section of a plurality of consecutive curved section, lying in a plane generally normal to the piston axis, the curved in a plane generally normal to the piston axis, curved section or at least one of the plurality of curved sections being within said gap so that the crown is suported on the skirt, and the curved section or at least two of the plurality of curved sections being embedded in the piston material to support the insert.

Compl. specn 17 pages.

Drg. 6 sheets.

CLASS: 146-D<sub>1</sub>

Int, Cl.: H 01 p 3/00.

LOW DISPFRSION, LOW-LOSS SINGLE-MODE OPTI-

CAL WAVEGUIDE.

Applicant: CORNING GLASS WORKS, OF CORNING, NEW YORK, N.Y. 14831, UNITED STATES OF AMERICA.

Inventors: VFNKATA ADISESHAIAH BHAGAVA-TULA.

Application No. 1341/Cal/82 filed November 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims

An optical waveguide comprising a core of transparent material having a maximum refractive index  $n_1$  and a radius a, and a layer of transparent cladding material on the outer surface of said core, the refractive index  $n_2$  of said cladding being less than  $n_1$ 

said waveguide being characterized in that said core includes a region of depressed refractive index, the inner radius  $a_1$  of said region being greater than zero and the maximum radius  $a_0$  of said region of depressed refractive index being less than a .

Compl. specn. 15 pages.

Drg. 2 sheets.

CLASS: 23-A & H Int. Cl.: B 65 b 47/00. 156701

A METHOD OF, AND APPARATUS FOR, MANUFACTURING A FLIP-TOP BOX BY FOLDING A ONE-PIFCE SKILLET.

Applicant: WILKINSON SWORD LIMITED, OF SWORD HOUSE, TOTTERIDGE ROAD, HIGH WY-COMBE, FUCKINGHAMSHIRE, ENGLAND

Inventors: 1. MICHAEL GEORGE LIVENS, 2. JAMES EDWARD ADAMS.

Application No. 68/Cel/82 filed January 16, 1982.

Convention dated 16th January, 1981 (81/01398) U.K. and 25th June, 1981 (81/19630) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A method for manufacturing a flip-top box by folding a one-piece skillet the skillet having crease lines to define a main panel (C2, L2), to form the back of the container and of the lid of the box, left and right, inside and outside panels (C4, C5, C6, C1), to form the left and right sides of the container, left and right, inside and outside panels for the lid  $(L_6, L_1, L_2, L_5)$ , front panel  $(C_1)$  and retainer panel (R<sub>1</sub>) a bottom panel (C<sub>3</sub>) for the container and a top panel (L<sub>3</sub>) and front panel (L<sub>1</sub>) for the lid, certain of the said panels having flaps attached thereto, which method is characterised by the steps of pressing the skillet into a rectangular opening of a first die shaped to fit said main panel (C., L.) to cause the adjacent said left and right inside panels (C4, Ic, C, L7) and top and bottom, panels (L3, C<sub>n</sub>) attached therete to be bent into planes perpendicular to said main panel (C2. L2) and thereafter, while the skillet is retained in the die opening, folding front container panel (C<sub>1</sub>) and front lid panel (L<sub>1</sub>) into parallel relationship with the main panel (C2, L2) and, adhesive having been applied to the outside panels (C6, C7) of the container and (L<sub>1</sub>, I<sub>5</sub>) of the lid, pressing the partially-formed box from the first die into a second die in which the said outside panels (C<sub>6</sub>, C<sub>7</sub>, L<sub>4</sub>, L<sub>5</sub>) are folded down and adhered in, position to complete the closed box construction.

Compl. specn. 20 pages.

Drg. 12 sheets.

CLASS: 34-B

156702

Int. Cl.: D 01 c 1/00, 1/04.

A MICROBIAL PROCESS FOR EXTRACTION OF RAMIF (BOTHMARIA NIVEA AND BO'EHMARIA TENACISSIMA) FIBRE.

Applicant & Inventor: DR. NILOY KUMAR DAS, WATER WORKS WEST, PANBAZAR, GAUHATI 781 001, ASSAM, INDIA.

Application No. 75/Cal/82 filed January 20, 1982.

Addition to No. 391/Cal/79.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A process for extraction of ramie fibre, without using a decorticating machine, which consist of pretreating the freshly harvested mature namie stem in between two iron plates or a roller set-up to break the longitudinal intefrity without breaking the fibre, followed by weighing the freshly pretreated stem pieces and subjecting to partial drying to lose 20 to 25% of weight in the open or in a draft of air, subjecting the pretreated and partially dried stem pieces to microbial treatment in a reaction tank filled with fresh unpolluted water containing variant strain of Aeromonas hydrophyllus and a culture of Bacillus subtilis for a period not exceeding 40 hours, cleaning to remove the non-fiberous materials of the stem pieces from the fibre by washing in fresh running water and immediately drying fibre.

Compl. specn. 4 pages.

Drg. Nil.

CLASS: 47-C

156703

Int. Cl.: C 10 j 3/00.

FLUIDIZED BED GASIFICATION SYSTEMS.

Applicant: KRW FNERGY SYSTEMS INC., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventors: 1. JOSEPH ROSINSKI, 2. CARL EDWARD SCHENONE.

Application No. 966/Cal/82 filed August 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A fluidized bed gasification system comprising a fluidized bed gasifier for gasifying organic material, a container disposed below said gasifier for receiving waste material from said gasifier, and a crushing device associated with said container for reducing particulate material before it enters said container, characterized in that level detection means are disposed in said container for detecting and determining the level of said waste material in said container, and electrically connected to an electrical signal processing circuit.

Compl specn 7 pages.

Drg. 3 sheets

CLAS': 37-A

156704

Int Cl.: B 04 c 5/00.

HIGH TEMPERATURE CYCLONE SEPARATOR FOR CASIFICATION SYSTEM.

Applicant: KRW ENERGY SYSTEMS INC., OF THREF GREENWAY PLAZA, HOUSTON. TEXAS 77046, UNITED STATES OF AMERICA.

Inventor: RAM GOPAI SETH.

Application No. 509/Cal/83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A high temperature cyclone separator for gasification systems for separating entrained particles from a first gas, comprising an outer shell (22), first gas tangential inletting means for introducing said first gas into said interior plenum, axial gas discharge means for removing said first gas from said interior plenum, and particle discharge means for discharging said natticles from said interior plenum, characterized in that a foraminous inner shell (24) is disposed within said outer shell (22) in spaced relationship therefrom so as to define a cavity (34) between said inner shell (24) and said outer shell (22), said inner shell (24) further defining an interior plenum (36), and that second gas inletting means (32) are associated with said outer shell (22) for introducing a second gas into said cavity (34) at a higher pressure than said first gas, said second gas being forced through foraminous inner shell (24) into said interior plenum (36).

Compl speen 8 pages.

Drg. 2 cheets.

CLASS: 40-E

156705

Int. Cl.: B 01 d 15/08.

CHROMATOGRAPHIC IMMUNOASSAY KIT FOR DETERMINING THE PRESENCE OF AN ANALYTE IN A SAMPLE.

Applicant: SYVA COMPANY. AT 900 ARASTRADEO ROAD. PALO ALTO, CALIFORNIA 94304 UNITED STTFS OF, AMERICA.

Inventors: 1. DAVID JAY LITMAN, 2. ROBERT FRANK ZUK.

Application No. 876/Cal/83 filed July 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A chromatographic immunoassay kit to determine the presence of an analyte in a sample, said kit comprising:

- (a) an immunochiomatograph having a porous support permitting solvent travel and a plurality of a specific binding pair næmber ("mip") and a first enzyme, which mip and first enzyme which mip and first enzyme are non-diffusively and uniformly bound to said support and extend a distance away from a first end of said support to define an immunosorbing zone
- (b) a lebelled mip, where said labelled mip is chosen to bind to said immunosorbing zone in relation to the portion of said immunosorbing zone which said analyte becomes bound, to define a border related to the amount of analyte present in said sample, said sample said lebel being an enzyme, and
- (c) a signal producing system, of which said label enzyme is part, including a second enxyme, wherein said first and second enxymes are related by the substrate of one being the product of the other,

to prefice of the ble stall measurable by a exernal mean uch for example as described facinate of, and signal being commensurate with the distinct of and border from one end of the impure or or company and distince being related to the encount of analyte present meand sample.

Compl. specia. 38 page

Dig Nil

CLASS 55 T

156706

Int Cl C 12 k 9 / 00

A PROCESS FOR CUITURING MYCOBACTERIAL CELLS

Applicants ( Lovento (1) NATTERI VEERA-RAGHAVAN AND (2) SMT KAMAIA VFERA-RAGHAVAN A 73/3 THIRD MAIN ROAD BESANT-NAGAR MADRAS 690 099 TAMII NADU

Application No. 41 Mis/82 filed February 19, 1982.

Complete Sp in ition left May 19, 1983

At propriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Petent Office Madias Branch

## 7 Claims No drawing

A process for culturing mycobacterial cells in a medium consisting of (1) acidic anino acids aspartic acid aspartigine and elutantic acid in a total amount of 2 to 25 gms per litre. (b) neutral umino acids Balanine, DL-& alanine, phenylalitine tyresine exiosine cystine cysteine, proline, serine lett no and incline in in a total amount of 3 5 to 4.1 grains/litre. (1) at in ne in an amount of 120–160 mg per litre. (d) muscle rietabolism compounds" selected from glycominitation, activate in lite and plosphocitatin in a total amount of 350–420 mg/litre. (e) in cressiochilde ugais selected from gliteosamine m incse trabinose galactose and D-ribose in a total amount of 1 to 10 grams/litre. (f) adenosine and cytosine in 1 of 1 amount of 40.50 mg/litre. (g) phospholipid selected from lecithin phosphotidyl ethanolamine and presphoted I mosticl in a total amount of 5–10 mg/litre. (h) chelisterol ii an amount 5–15 mg/litre. (ii) linolege acid iii an amount 1 for pittle. (iii) hiptamine ii a mount 4–6 mg/litre. (iii) heparine ii an amount 4–6 mg/litre. (iii) heparine ii an amount 4–6 mg/litre. (iii) heparine ii an amount 4–6 gs/litre. (o) protamine sulfate in iii amount 2.3 mg/litre. (p) inorganic salts such as herein described in a total of 6–10 g/litre and (q) trace minetals as herein described present iii fractions of a millier iii is sterile water and recovering the said cells by known methods.

Prov 23 pares

Com 27 pages

CLASS 49 II

156707

Int Cl A 47 i 27 62

AN LLICTRIC PRESSURE COOKER

Applicant I (PEINATE) LIMITED, DOORAVANI-NAGAR PANGALORE 560 016 KARNATAKA

Inventor THIRDVALLUR THATTAL JAGANNATHAN

Application No. 43/May 82 filed February 19, 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rul 5 1972) Pate 4 Office Madras Branch

## 4 Claums

of the housing fastened to the sail wall at points at which a pair of terminal pins or strude outwardly from the outer wall of the housing an automatic device such as herein described,

minited of the extense of the hoising the first pair of terminal of the said device being connectable to a source of exercise to a while the second pair of terminals of the sulfdevice are connected to the said pair of terminal pins and literal disposed within the housing and over the tubing, for mainfairing contains of food out of contact with the

Comp speen 6 pages

Drg 1 sheet

CIAS 531

155708

Int (1 B 62 k (21/18 + 25/00)

A SHOCK ABSORBLE FOR THE FRONT WHEEL OF A BICYCLI

Applicant LUBE INVESTMENTS OF INDIA LIMITED TIAM 10, St. 28 PATATEROAD, MADRAS-600 001, TAMJE NADU

Inventor I SFITARAL

Application No. 117/Mas/82 filed May 27, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Pales 1972) Palent Office Madias Branch

## 4 Claims

A shock ab orber for the front wheel of a bicycle constituted by two assembles for being mounted on either side of the front wheel of the bicycle each assembly comprising a cond of which has first and second slets, the first his correcable with an extremity of the front hubbaxle of the bicycle while the second slot is provided with a swivel pin engageable with the extremity of the fork blade of the bicycle is spring loaded arm one end of which is privotably fixed to the other end of the lever while the other end of the arm is no ably held in a support, a clamp for individual mounting the support on the said fork blade, the urang ment being such that the shock transmitted by the front wheel during motion to the hub axle is substantially that mitted to the lever and arm coursing the same to articulate about the prior and thus causing compression and de longers on of the spring to absorb the shock

Compl speen 6 pages

Drg 1 slieet

CL \\$\$ 105 C

156709

in, Cl G 12 b 11/04 & G 01 d 13/22

A LIGHT POINTER

Applicant in ATIONAL REMOTE SENSING AGENCY, 4 SARDAR PAIRL ROAD SECUNDERABAD 500 003 ANDHRA I RADI SH

INVERTORS (1) KFSFAVAMURTHY RAMACHANDRA RAO (2) YIIJAIPA SAMBAMURTHY, (3) KUNDA MOHANA MURAI IDHARA RAO (4) OM PRAKASH BAIPAI

Application No 133/Mas/82 filed June 16 1982

Appropriate office for opposition proceedings (Rule 4, Prents Rule 197 Print Office Madris Branch

### 6 Claims

A light order congruing a bairel movably engaged with the first the barrel and handle respectively housing a lens and a cleente beht source means for fixing the light source in a production much position whereby whenever the barrel is moved in airly o outwardly with respect to the half the lens is focussed to form an external real image of the light source to serve as a pointer

Compl speen 6 pages,

Drg. 1 sheet

CLASS: 63-B & 133-A

156710 CLASS: 154-G

156712

Int. Cl.: H 02 p 7/48.

IMPROVED TWO-SPEED CAPACITOR MOTOR.

Applicant & Inventor: RAMASWAMY NATARAJAN, OF 109, KOTTUR ROAD, POLLACHI-642 001, COIMBATORE DIST., TAMIL NADU, PRESENTLY AT 4-1602, MAIN STREET, (E), SASKATOON, CANADA S7H, 017.

Application No. 141/Mas/82 dated July 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

### 2 Claims

An improved two-speed capacitor motor wherein, the stator winding has a main winding and an auxiliary winding spaced 90 electric degrees between the poles of the main winding, the main and auxiliary windings being connectedd in series with the capacitor, the improvement being that each of the said main winding and the said auxiliary winding is divided into two halves. a centre tap is provided at the centre of each of the said main and the said auxiliary winding, said capacitor motor being adapted to give full speed or synchronized speed due to the flow of current in said main winding and said auxiliary winding in one direction whom said centre taps are not connected to said capacitor, said capacitor motor being adapted to give reduced speed due to the flow of current in the reverse direction in each of the halves of the said main winding the said auxiliary winding when said capacitor is connected between said centre taps.

Compi specn 10 pages:

Drg. 1 sheet.

CLASS: 105

156711

Int. Cl.: G 01 n 9/00.

A DUAL DENSITOMETER.

Applicant: NATIONAL REMOTE SENSING AGENCY, 4, SARDAR PATEL ROAD, SECUNDERABAD-500 003. ANDHRA PRADESH.

Inventors (1) KESHAVAMURTHY RAMACHANDRA PAO. (2) RUI USU LAKSHMANA DEEKSHATULU, (3) KUNDA MOHANA MURALIDHAR RAO, (4) YELLAPPA SAMBAMURTHY, (5) OM PRAKASH BAJAPI.

Application No. 147/Mas/82 filed July 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules. 1972) Patent Office, Madras Branch.

## 5 Claims

A dual densitometer for measuring the transmission and reflection densities of an object consisting of a light transmission measuring section and a light reflection measuring section, the former section comprising a first source of light and means for transmitting light through the object on to the cathode of a first photomultiplier, the latter section comprising a second source of light and means for transmitting light, reflected from the object, on to the cathode of a second photomultiplier: feed-back means for adjusting the dynode voltage of the photomultipliers to maintain the anode current constant for different input signals to the cathode, the change in the dynode voltage being proportional to the optical density of the object; and means for calibrating a portion of the said voltage in terms of optical density units for display on a digital read-out.

Compt. specn. 10 Pages. 2—28 7 GI/85

Drg. 3 sheets.

Int .Cl.: G 03 b 19/00.

A MICROFICHE CAMERA.

Applicant: NATIONAL REMOTE SENSING AGENCY, 4, SARDAR PATEL ROAD, SECUNDERABAD-500 003, ANDHRA PRADESH.

Inventors: (1) KESHAVAMURTHY RAMACHANDRA RAO, (2) BULUSU LAKSHMANA DEEKSHATULU, (3) YELLAPPA SAMBAMURTHY, (4) KUNDA MOHANA MURALIDHARA RAO, (5) TAMMABATHULA SESHA RAO.

Application No. 148/Mas/82 filed July 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 6 Claims

A microfiche camera, incorporating a lens and shutter, comprising a film cassette carrier mounted against a plurality of apertures or slits; means for moving the cassette carrier in right angular direction and indexing means for controlling the movement of the cassette carrier in the said directions in steps of predetermined magnitude, whereby the cassette carrier is movable into a plurality of uniformly spaced positions to obtain a corresponding number of images on the film after exposure thereof in the said positions.

Compl. specn. 8 pages:

Drgs. 4 sheets.

CLASS:  $70-(A+C_4)$ Int. Cl : C23 b 5/18. 156713

A PROCESS FOR FLECTRODEPOSITION OF A COPPER-TIN ALLOY AS AN UNDERCOAT ON A METALLIC SUBSTRATE TO BE GOLD PLATED.

Applicant: INDIAN HOMF PRODUCTS, 3-6-380, 2ND FLOOR, HIMAYATNAGAR, II STRFET, HYDERA-BAD-500 029, ANDHRA PRADESH, INDIA, AN INDIAN PARTNERSHIP FIRM, OF WHICH THE PARTNERS ARE MRS. SHYAMALA SWAMENATHAN & KUMARI RAMA-CHANDRAN SAPASWATHA.

Inventor: SESHAGIRI SWAMINATHAN.

Application No. 166/Mas/82 filed August 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Pat at Enter 1972) Patent Office, Madras Branch.

28 Claims

## Ne drawing

A process for electrodeposition of a copper-tin alloy having a tin content of not more than 20% by weight as an undercoat on a metallic substrate to be gold plated, wherein the electrolytic bath comprises an aqueous solution of (a) a copper salt, (b) one or more alkali metal salt(s), (c) one or more inerganic alkali (t) one or more metallic additives selected from the group of antimony, bismuth, lead, tin, zinc, cadmium indium and palladium in the form of their soluble salts. (c) one or more known chelating agent(s), and (f) one or more alcohols selected from the class of polyhydric alcehols such as glycerol, and polyglycols and the electrodeposition being carried out using the substrate as the cathode, copper or an alloy comprising copper and tin in which the tin content is not more than 20% as the anode at a pH ranging from 11-13, at a temperature ranging from 40° to 85°C and at a cathode current density maintained between 0.1 to 15 amp/dm2.

Compl. specn 11 page

**CLASS: 188** 

156714

Int. Cl. : C 23 f (5/00 + 7/00)

A PROCESS FOR TREATING ZINC OR CADMIUM SURFACE (ELECTRODEPOSITED ON A METALLIC SUBSTRATE).

Appliant: INDIAN HOME PRODUCTS, 3-6-380, 2ND Floor. HIMAYATNAGAR II STRFET, HYDERABAD-500 029. ANDHRA PRADESH, INDIA, AN INDIAN PARTYFRSHIP FIRM OF WHICH THE PARTYFRS ART MES STIVAMAI A SWAMINATHAN AND KUMARI RAMACHANDKAN SARASWATHY.

Inventor · SESHAGIRI SWAMINATHAN.

Application No. 167/Mas/82 filed August 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Citic, Madras Branch.

#### 21 Claims

A process for treating zinc or codmium surface (electro-deposited, on a metallic rob tate) which comprises co tacting said zinc or codmium surface with an anueous solution of an admixture con infinite at least one trivalent chromium salt such as herein described at least one ammonium salt such as herein described at least one ammonium salt such as herein described at ambi ni temperature and at pH ranging from 2.5 to 4.5 for a period of not more than 10 minutes and thereafter i amig in with water and drying.

Compl. specn. 10 pages.

CLASS: 116--(C+G) & 160-C

156715

Int C1 - B 60p 1/36.

A DEVICE FOR MOVING LOADS.

Applicants & Inventors: (1) MOODIBIDRI SUDHAKAR MALLYA & (2) JAVAPAYA PADMANABHA HARISH, 1881, 11TH MAIN, 47H T, BLOCK, JAYANAGAR, BANGAI ORE-560 011, KARNATAKA.

Application No. 172/Mas/82 filed September, 10, 1982.

Complete Specification let November 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 3 Claims

A device for moving loads comprising at least two spaced supporting members for receiving the object to be movid; a connecting member disposed between the supporting members and rigidly attached thereto; an endless roller belt running around the connecting member with each roller in the belt rotatable about its own rais, the position of the belt above the connecting member as well as the supporting members remaining out of contact with the cheert and with the ground respectively, while the position of the belt below the connecting member rests on the ground, such that as a thrust is manually imported to the object, the belt moves around the connecting member with each roller retaing about its own axis, to enable the object to be manually moved along, with ease.

Prov. specn. 4 pages

Compl. speon. 6 pages.

Drg 2 sheets.

CLASS: 25-(A--B)

156716

Int. C1: C 04 h 33/00

A PROCESS FOR THE MANUFACTURE OF A CLAY THE

Applicant: SRI KRISHNA TILES & POTTERIES (MADE'S) PRIVATE L'MITED, KUMARA VUAYAM, 99, ROYAPETTAH HIGH ROAD, MADRAS-600 604.

Inventor: ABHIRAMAPURAM RANGANATHAM KRISHNAMURTHY.

Application No. 179/Mas 82 filed September 23, 1982.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office. Madras Branch.

## 4 Claims No drawing.

A process for the manufacture of a clay title comprising pressing powdered clay in dies, the trassed tiles being dried, and and a second the shall and in dicharacterised in that at crimes the close of him steps and um chief de is un formly dispersed over the free bed of the kiln

Compl. specn. 5 pages.

CLASS: 52 FaD.

156717

Int. C1. : C = 07 - (15|00-49|00).

A PROCESS FOR CONVERSION OF AN AROMATIC HYDROCARBON TO A QUINOISE BY OXIDATION.

ACCIONAL MAN INSTITUTE OF SCIENCE, BANGALORE- 60 012 KARNATAKA.

Invento: MANGALORS VIVEKANANDA BHATT, MARIAPPAN PERIASAMY.

App'reation No. 192|Mas|82 filed October 15. 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 3 Claims

A process for the conversion of an aromatic hydrocarbon to a outnoise by oxidation comprising adding an aqueous solution of notas um permanganate to a solution of manganese sulphate in subshuffle acid, mixing the resulting colution with acetonitible, thereafter adding the atomatic hydrocarbon dissolved in acetonitrile to the said mixture with stirring over a period of one hour at 25°C, and further stirring for 3 hours at 25°C transferring the resulting solution to a separatory funnel and extracting with ether to obtain quinone.

Compl. specn. 6 pages

Drgs. 2 sheets.

156718

CLASS 32 I -d.

Int. Cl. · C 07 c 49|00.

A PROCESS FOR THE CONVERSION OF KETONES TO  $\propto$  -ACYLOXY KETONES.

Aprilani : INDIAN INSTITUTE OF SCIENCE, BANGAI ORE-560 012, KARNATAKA.

Invento: (1) MANGAYORF VIVEKANANDA BHATT, (2) GADDAN SUBBA REDDY.

Application No. 194 Mas 82 filed October 15, 1982.

Appropriete Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madias Branch.

### 3 Claims

A process for conversion of ketone to or -acyloxy ketones which comprises, in preparing a solution of cycle hexanone oxime by a ring acetic anhydride and 2, 4, 6-collidone to said oxime, graft ring acetic anhydride and acetic anhydride to said solution at a temperature below embient temperature bath for 4.8 hours, cooling the mixture to from temperature and then cradually adding water thereto heating the mixture to more remarkable, diluting with water and thereafter extracting with methyling chloride, the methylene chloride solution being wash didied and evaporated to provide a liquid which on distillation under vacuum gives  $\infty$  -acetoxy ketone.

Compl. specn. 6 pages.

Drgs. 1 sheet.

CLASS: 24-Da.

156719

Int. Cl.: F 16 d 65|38.

ACTUATOR FOR A SHOE-DRUM BRAKE AND A SHOE- DRUM BRAKE INCORPORATING SUCH ACTUATOR.

Applicant: LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, GREAT KING STREET, BIRMINGHAM-19, ENGLAND.

Investors: (1) BRIAN INGRAM, (2) MICHAEL JOHN ENGLAND.

Application No. 224 Mas 82 filed November 20, 1982.

Convention date November 26, 1981. (No. 8:35781-United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patento Pules, 1972) Patent Office, Madras Branch.

#### 11 Claims

An actuator for a shoe-gruin brake comprising a pair of pistons slidable within a straight-through bore of a cy inder and separable, for brake actuation, by the introduction of fluid under pressure into a chamber between them, affiction device coupled to one of the pistons and arranged with a surface thereof frictionally engaged with a surface fixed relative to the pistons, and a pair of resilient elements disposed one at either side of and engaging the friction device, each such element being trapped between a pair of opposed surfaces associated with said one piston, whereby said resilient elements resist movement of said one piston relative to the friction device in two opposed directions, and outward movement of said one piston by more than a predetermined distance related to said brake actuation, under the action of fluid pressure applied to said chamber overcomes the force of the opposing resilient element and permits the piston to move the friction device along the cylinder to a new position.

Compl. specn. 11 pages.

Drgs. 1 sheet.

CLASS: 5-A.

156720

Int. Cl.: A 01 b 15|00.

AN IMPROVED PLOUGH BLADE.

Applicant & Inventor: THIRUVARIAMUTHU PUNA-MALAIMUTHU PALANIKUMARASWAMY ACHARI, MAIN ROAD, THIRUMALAPURAM, THEMPOTHAI VII LAGE, PANPOLI P.O., (VIA) SHENCOTTAI, TENKASI TALUCK, TAMIL NADU.

Application No. 231|Mas|82 filed November 26, 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Madras Branch.

## 8 Claims

An improved plough blade comprising a blade element having a narrow front end and a broad rear end, the latter being provided with an upwardly extending plate whose upright edges move away from each other towards two corners of said rear end.

Compl. specn. 6 pages.

Drgs. 1 sheet.

**CLASS**: 56-A.

156721

Int. Cl.: B 01 d 3100.

STRUCTURE FOR INSTALLATION IN A VERTICAL COLUMN FOR FORMING A MASS TRANSFER APPARATUS AND THE MASS TRANSISFER APPARATUS FORMED THEREBY.

Applicant: DISTILLATION TECHNOLOGY LIMITED, OF PROOK HOUSE, CHURCH STREET, WILMSLOW, CHESHIRE, UNITED KINGDOM.

Inventor: 1. ARTHUR EVAN OWEN JENKINS.

Application No. 184|Cal|82 filed February 17, 1982.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A structure for installation in a vertical column for forming a mass transfer apparatus, characterised in that said structure comprises:

plate means adapted to be disposed vertically in the column to divide the vapour flow space in the column into two parallel and separate vertically extending zones;

attached to extend from each side of said plate means, a plurality of tray-like liquid/vapour contact means, the contact means on each side being located at vertically spaced intervals along said plate means and the locations of the contact means on one side of said plate means being staggered relative to the locations of the contact means on the other side of said plate means;

each tray means including at least one liquid/vapour contact area having to one side thereof an inlet area adapted to receive fiquid descending throungh a downcomer from a higher contact means and to the opposite side thereof an outlet area opening into a downcomer the arrangement of inlet area, liquid/vapour contact area and outlet area being disposed in that order along the contact means in a direction parallel to the plane of the plate means whereby liquid flow from the inlet area across the liquid/vapour contact area to the outlet area is generally rectilinear and parallel to said plane;

the location along the width of the dividing means of said at least one liquidlyapour contact area of the contact means on one side of said plate means corresponding with that of the corresponding liquidlyapour contact area of the contact means on the other side of said plate means and the locations of the inlet and outlet areas for said liquidlyapour contact area of said contact means on said one side of said plate means corresponding to the locations of the outlet and inlet areas respectively, for said corresponding liquidlyapour contact area of said contact means on said other side of said plate means.

Coml. specn. 38 pages.

Drgs. 8 sheets.

156722

CLASS: 33-D.

Int. Cl.: B 22 d 37|00.

METAL POURING APPARATUS.

Applicant: FLOGATES L'MITED, OF SANDIRON HOUSE, BEAUCHIEF, SHEFFIELD, S7 2RA, ENGLAND.

Inventors: 1. ANTHONY THROWER, 2. JOHN RICHARD GELSTHORPE.

Application No. 254|Cal|82 filed March 5. 1982.

Convention dated 13th March, 1981 (8107941) United Kingdom and 12th February, 1982 (8204130) United Kingdom.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

### 18 Claims

Metal pouring apparatus comprising a container vessel for molten metal, an opening in or adjacent the bottom of the vessel and associated means operable to control teeming of molten metal through the opening, and means for injecting gas into molten metal in the vessel, the injecting means comprising a gas flow passage in the vicinity of and senerate from the said opening and the teeming control means, which passage comorises a nozzle installed in a wa'l of the vessel and gas ducting, forming a continuation of the nozzle exteriorly of the vessel, provided by two abutting refractory bodies, the passage having a foraminous passage-blocking element therein through which has but not metal may flow and one of the refractory bodies being movable relative to the other to interpose an imperforate portion of the movable body across the passage thereby to close the latter and prevent molten metal escaping from the vessel via the passage in the event of a failure of the foraminous element.

Compl. specn. 23 pages.

Drgs. 2 sheets.

156725

CLASS: 166-A.

156723

Int. Cl.: B 65 j 1|00; B 65 b 17|00, 25|00.

A CARGO CARRIFR.

Applicant: GERD BUSS, CREMON 32, 2000 HAMBURG 11, WEST GERMANY.

Inventor . J. HEINZ-HERBERT HEY.

Application No. 310|Cal|82 filed March 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Petent's Ru'es, 1972) Patent Office. Calcutta.

#### 83 Claims

A cargo carrier, particularly an oceangoing cargo vessel comprising

- (a) means defining a cargo compartment and including at least one wall; and
- (b) at least one member for confining containers which are accommodated in said compartment, said member being mounted on said one wall for movement between an operative resition in which said member is arranged to confine containers and an inoperative position in theregion of said one wall.

Compl +, ecn 39 pages

Drgs. 6 sheets.

CLASS: 126-B.

156724

Int. Cl. · G 01 v 3|00

AN APPARATUS FOR APPLICATION IN DIRECT AIRBORNE FLECTROMAGNETIC PRESPECTING OF HYDROCARBON DEPOSITS.

Applicant: INSTYTUT GORNICTWA NAFTOWEGO I GAZOWNICTWA. OF KRAKOW, UL. LUBICZ 25a, POLAND.

Inventor. 1. IAN DZWINEL.

Application No. 663 Cal 82 filed June 10, 1982.

Anymogriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta.

## 1 Claims

Apparatus for application in direct airborne electro-magentic prespection of hydrocarbon denosits comprising a multitum loop of induction transmitter (9) suspensed from helicopter (1) and adasted to automatic arrangement for various inclination angles according to flight directions; energy genera\* (10) for loading of stil loop of induction transmitter (9) at frequencies in the range of 0.1 to 10 Ha; three induction antennae (12) each comprising an induction receiver circuit (13) and induction compensation circuit (14); electronic measuring uni. (16) comprising a microprocessor, a magnetic memory and a monitor; electronic compensation unit (15) compensating the induction signals obtained at the starting point during said helicopter's circling along the net of complex review composed of identical profiles arranged in tiers on which is measured the difference of non-compensated signals and the total signal received at the starting point of said circling; and automatic control (5) for urranging said loop of induction transmitter during circling, said induction receiver circuit (13) being connected to said electronic measuring unit (16) with the help of pine (20) and said induction compensation circuit (14) being connected to said electronic compensation unit (15), which in turn is electrically coupled with said electronic measuring unit (16), registering said differences of non-compensated signals of the amplitude and electromagnetic field phase Hs. H., and Hs., which differ by all the light function applied frequency from 0.1 to 10 Hz. arrangement of inclination angles of said loop induction transmitter and the lossition of the helicopter constituting from said signtly the multidimensional vector of geophysical information, processing said information vectorinto the differentation function on the basis of pattern recognition theory and classifying the riting patterns into classes according to probability level of hydrocarbon deposits occurrence.

Compl speen 15 pages.

Digs. 1 sheet.

CLASS: 153.

Int. Cl. B 24 d 7 00.

GRINDING WHEEL FOR GRINDING CEMENTED CAREIDE TOOL.

Applicant: NORTON COMPANY, OF 1 NEW BOND STRELT, WORCECTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor: EDGAR BENJAMIN CARVER.

Application No. 759 Cal 82 filed June 28, 1982

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Colcutta.

### 5 Claims

A grinding wheel including an obrasive portion of d'amond abrasive grits or cubic boron nitride grits bonded in a metal matrix, said matrix consisting of a metallic phase and optionally up to 50% by volume of a dispersed particulate lubricant filler, said metal pha e consisting essentially of a hot-pressed mixture of finely particulate 5 to 30% by volume aluminum, 10 to 35% by volume zinc, 20 to 70% by volume copper, and to 30% by volume tin.

Compl. speen 6 pages.

Orgs. Nil

CLASS 24-F.

156726

Int. Cl.: F 16 d 63|00

A BRAKE MECHANISM IN AND FOR A CONTROL DRIVE MECHANISM.

Applicant: THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREFT, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERIC \

Inventor: 1. THOMAS & MARTIN.

Application No. 917/Cal/82 filed August 4, 1982

Appropriate Office for Opposition Proceedings /Rule 4, Patents Rules 1972) Patent Office Calcutt

## 9 Claims

A brake mechanism in and to a control drive mechanism comprising a control shaft monthly through a predetermined angle of rotation, and a lever attached to and rotatable with said shaft, comprising a first rick rection mounted on said lever, a second rack section mounted for rotation on a fixed pivot and movable between a first position out of engagement with said first rack section and a second position engaged with said first rack section means brasing said second rack section into said second position, and air motor means connected to said second rack section and operable to move said second rack section to said first position agains said biasing means.

Compl. specn 9 pages

Dres 2 sheets.

**GLASS**: 175-H

156727

Int. Cl.: F 16 i 1 00

A PISTON FOR  $\wedge$  RECIPROCATING ENGINE OR MOTOR.

Applicant AE PLC, OF CAWSTON HOUSE, CAWSTON, RUGBY WARWIDKSHIRE, ENCLAND.

Inventors : 1. JOHN G. COLLYEAR 2. DAVID A PARKER.

Application No. 946<sup>1</sup>Ca<sup>1</sup> 82 filed Append 11, 1982 Convention dated 11th August, 1981 (81 24473) U.S. and 23rd March, 1982 (82 08438) U.S.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta

#### 29 Claims

A piston for a reciprocating engine or motor and comprising a crown, a gudgeon pin bore, and, to each side of a plane including the piston axis and the gudgeon pin axis, a discrete bearing surface or surfaces which transmit lateral thrust to an associated cylinder or liner during reciprocation of the piston in one respective direction, at least one of said surfaces being provided with formation at least partially therearound for passing lubricant to and over the associated bearing surface during at least part of said piston reciprocation.

Compl. Specn. 28 ptages.

Drgs. 5 sheets.

CLASS: 206-F.

156728

Int. Cl. : B 01 i 17 00.

METHOD OF MANUFACTURING LIQUID CRYSTAL DISPLAY ELEMENT.

Applicant: HITACHI, LTD., OF 5-1. MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors 1. KEN SASAKI, 2. SIGERU MATSUYAMA, 3. TSUNEHIRO YOSHINO, 4. KATUHIRO NIYAZAKI.

Application No. 1038 Call 82 filed September 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972 Patent Office, Calcutta.

#### 10 Claims

A method of manufacturing liquid crystal display elements by a multi-element manufacturing process comprising the steps of putting together two substrates of plastic film provided with electrodes in individual element sections such that the electrodes on these plastic films are in register with one another, sealing liquid crystal in a space between the substrates which is defined in respect of the individual element sections by a scal member in the form of a closed configuration, and cutting said substrate to obtain individual liquid crystal display elements separated from one another, wherein one of said substrates is formed with cuts in the neighborhood of the outer wall of said seal members before cutting together said substrates,

Compl. Specn. 16 pages.

Drgs. 3 sheets.

## PATENTS SEALED

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## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1 No 155599 Globe Engineers Pvt I imited, Govind Puri (Modi Nagor) Dist Ghaziabad (UP) 'Key with Raised Rib 23 d April 1985

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- Class 1 No 155891 Unitek Copiers Pvt Ltd., a company incorporated under the Indian Companies Act 1956, Connaught Chaus, New Delhi-110001, Paper Shredding Machine' 14th July, 1985
- Class 3 No. 1557:2 Usa Ccconv Oil Industries, of Kollarathikkal post, Chirakkal, Cannanore 670 J11, Kerala State an Indian Partnership firm "a Botle' 27th May 1985
- Class 3 No. 155362 Phenov ed Folymer Private Timited of Scki Vihar Foct Bembay 400072, Maharashtra, India, an Indian Company A Clock OR Frush Valve' 2nd February, 1985
- Class 3 No. 155418 Surinder Kumar, Proprietor of Jiwan Cottage Industries B 126 Maya Puri, Phase I, New Delhi-110064 Indian National, (a sole Proprietorship firm) Call bell" 22nd February, 1985
- Clas, 3 No 155420 Surinder Kumar Proprietor of Nav Jawan Cottage Industries B 126 Maya Puri Phase I New Delhi-110064, Indian National, (a solc Proprietorship firm) Call-bell' 22nd February, 1985
- Class 3 Nos 155406 155407 Dunlop India Limited of Dunlop House 57B, Mirza Ghalib Street, Calcutta-700016 West Bengal, India, an Indian Company 'TYRL 18th February, 1985

Chas 3 No. 155720 Modi Enterprises, an Indian Sole Proprietory firm of Rawat Singh Building, Chopashi Road, Jodhpur-42 003, Rajasthin, India

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- Class 3 No 155677 VIP Industries Umi'ed of VIP
  House 88C Old Pribhadevi Road Bombay (00025
  Mahara htra Inda, an Indian Company
  Case 16th May 1985
- Class 3 No 155721 Ruch: Priv te Limited, a company incorporated in India of 214 Tulsiani Chambers, 2nd Floor Backbay Reclamation Nariman Point Bombay-400 021, Maha ashtra, India "Container" Jerry Can) 29th May 1985
- Extn of Copyrilt for the Second period of five years
- Nos '50401, 150894 149844, 149424 151449, 154729, 151448, 149410 150440 149782 149774, 149457, 149429 149195, 155544, 155546, Class-1
- Nos 150095, 149769 149701 149695, 149954, 149955, 149956 149034 155545 155547 454897, 154896 154819, 154893, 154883, 154894 154895 Class 3
- Exin of Copyright for the Third period of fiv years
- Nos 143289, 143313, 154729, 150440, 155544, 155546, 143520 Class-1
- Nos 43290, 155545 155547 154897, 154896, 154819, 154893 154883 154894, 154895, 143609 C<sub>1858</sub> 3

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